US EPA RECORDS CENTER REGION 5
401442

PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets for the narrative.

Checklist Preparer: Matthew Justice (Name/Title) — August 2, 2006 (Date)

401 E. Fifth Street, Dayton OH 45402 (Address) — (937) 285-6040 (Phone)

Matt.justice@epa.state.oh.us (E-Mail Address)

Site Name: Certified Metals Manufacturing Company

Previous Names (if any): Certified Metals Supply

Site Location: 1940 River Road (Street)

Cincinnati (City) | Hamilton (County) | OH (ST) | 45204-1366 (Zip)

Number 1 (Congressional District)

Latitude: 39° 6' 7.76" N **Longitude:** 84° 33' 1.62" W

With regards to the Latitude and Longitude, please provide the following information: Accuracy in Meters +/-, Collection Method, Reference Datum, Reference Point, Source Map Scale, Point/Line/Area; Collection Date; Verification Method (see attached):

Projection: NAD 1983 State Plan, Ohio South

Complete the following checklist. If "yes" is marked, please explain below.	YES	NO
1. Does the site already appear in CERCLIS?	☐	X
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	☐	X
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	X
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	☐	X
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	☐	X
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	☐	X
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	☐	X
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?	☐	X
9. Is there documentation indicating that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?	☐	X
10. Is there an apparent release at the site with no documentation of exposed targets, but there are targets on-site or	☐	X

	immediately adjacent to the site or nearby (within 1 mile)?		
11.	Are there no releases or potential to release?	X	☐

Please explain all "yes" answer(s), attach additional sheets or refer to narrative:

Site Determination: ☐ Enter the site into CERCLIS. Further assessment is recommended (explain below).

X The site is not recommended for placement into CERCLIS (explain below).

DECISION/DISCUSSION/RATIONALE:

No risk from any of the eight RCRA metals sampled is associated with the site. No risk is associated with water ingestion or vapor inhalation due to the absence of a migration pathway. No exposure potential from soil ingestion or soil direct contact exposure is present due to the small target population and the inability of the target population to access on-property soil due to the presence of a well maintained fence.

EPA Regional Review and Site Assessment Decision

Check the box(es) that apply:

X Not a Valid Site or Incident

☐ **Incident for Further Action Under CERCLA**

Recommended Further Action:

☐ **APA**

☐ **Full PA**

☐ **Combined PA/SI**

☐ **SI**

Defer/Refer to:

☐ **Removal Program**

☐ **State/Tribal Program**

☐ **RCRA**

☐ **Brownfields**

☐ **Other:** _____

note made in CERCLIS of the 9/23/08 PCS-Ed

Regional EPA Reviewer: Erica Islas Erica Islas — Print Name/Signature — August 25, 2006 — Date

State Agency/Tribe: Matthew Justice — Print Name/Signature — August 2, 2006 — Date

Ohio Environmental Protection Agency

Division of Emergency and Remedial Response

Pre-CERCLIS Screening
Assessment Checklist Decision Form and Report

for

Certified Metals Manufacturing Company
1940 River Road
Cincinnati, Ohio

Prepared by: Matthew Justice
Matthew Justice, Site Coordinator
Ohio EPA, DERR/SWDO
Date: August 2, 2006

Reviewed by: Randy Waterworth
Randy Waterworth, Sr. Site Coordinator
Ohio EPA, DERR/SWDO
Date: August 3, 2006

Approved by: Erica Islas
Erica Islas, Early Action Manager
U.S. EPA, Region 5
Date: August 25, 2006

Introduction

The American Public Health Journal printed a report by William P. Eckel (spring, 2001) on the use of historical methods for identifying previously unrecognized, former lead smelting properties. Eckel conjectured such properties have potential for elevated lead in surface soil, and therefore may pose associated environmental risk. His study, brought to the attention of U.S. EPA, identified several hundred former lead smelting facilities in 35 states. Seventeen of these sites are located in Ohio. One of these, the former Certified Metals Manufacturing Company located at 1940 River Road in Cincinnati, was among the sites identified. Therefore U.S. EPA, Region 5, requested Ohio EPA conduct a pre-CERCLIS screening to evaluate the site's potential for lead associated environmental risk.

Location

The former Certified Metals Manufacturing Company at 1940 River Road, is located approximately 1,000 feet north of the Ohio River, in a commercial and industrial setting along the Mill Creek valley of Cincinnati, Ohio. According to the Hamilton County Auditor, the property is identified as Parcel150-0008-0018-00, with a listed area of 0.550 acres. The property location is identified in Figure 1.

History of Land Use

According to the Sandborn Insurance maps on file at the Public Library of Cincinnati and Hamilton County, the property at 1940 River Road was established in 1956, and operated under the name "Certified Materials Supply." In 1958 the property is indicated operating at the same location under the new name, "Certified Metals Manufacturing Corporation".

The report titled, The Secondary Smelting Industry, by Eckel (2001), indicates that Certified Metals Manufacturing Corporation was listed in the 1963 edition of the Standard Metals Directory as a "babbit and solder manufacturer" or "smelter of secondary lead, tin, solder, and babbit." Since November 2003, the property has been in use as a photography studio owned by Mr. Albert Lang. Ohio EPA contacted the studio on July 13, 2006. The studio confirmed having three employees.



Photograph 1. The former Certified Metals Manufacturing Corporation building at 1940 River Road, facing east.

Soil Sample Results

In order to evaluate the direct exposure migration pathway associated with soils from the site, Ohio EPA personnel screened 11 locations on April 23, 2003. The sample locations shown on the aerial photograph in Figure 3 were chosen to bracket the approximate location of historical operations. The samples were field screened using X-ray fluorescence for arsenic (As) and lead (Pb). Samples from a depth of 0 to 6 inches below ground surface were collected and homogenized in a mixing bowl. A small aliquot of each sample was stored in a Zip-Lock bag and field screened. Screening detections are summarized in Table 1. The three highest lead screening results, samples CM-7, CM-8, and CM-11 were sent to Kemron Analytical Services for confirmation sampling. Each of the three samples was analyzed for the following eight RCRA metals: arsenic, barium, cadmium, chromium, mercury, selenium, silver, and lead (Table 2).

The lead results from all three samples exceeded the Ohio EPA, Voluntary Action Program (VAP) Generic Direct Contact Standards (GDCS) value for commerical and industrial land use (1,800 mg/kg); and construction and excavation activities (1,600 mg/kg). No other RCRA metals exceeded standards.

Table 1. X-ray Fluorescence Field Screening Detections (mg/kg)

	CM-1	CM-2	CM-3	CM-4	CM-5	CM-6	CM-7	CM-8	CM-9	CM-10	CM-11	CM-12
As				125 (29)	100 (38)	195 (41)	270 (137)	250 (73)				
Pb	999 (32)	3,984 (64.1)	152	735 (35)	1,963 (49)	1,358 (51)	26,470 (219)	7,120 (101)	748 (31)	2664 (57)	8780 (108)	25

The second value in parentheses is the standard deviation. Blank cells represent non-detected result.

Table 2. Kemron Analytical Services, Confirmation Results (mg/kg)

Ohio EPA, VAP Generic Direct Contact Standard		CM-7	CM-8	CM-10
As	80	12.2	9.4	6.42
Ba	200,000	233	166	411
Cd	770	18.6	15.9	4.12
Cr	1,000,000 (Cr III) 8,900 (Cr VI)	42.7	85.8	140
Hg	300	ND	ND	ND
Pb	see Table 3	14,500	1,820	2,120
Se	15,000	ND	ND	ND
Ag	15,000	3.08	1.76	1.48

Table 3. Ohio EPA Voluntary Action Program, generic direct-contact standards for lead (mg/kg).

	Residential	**Commercial/Industrial**	**Construction and Excavation Activities**
Pb	**400**	**1,800**	**1,600**

Migration Pathway

Because the city of Cincinnati is reliant on treated surface water from the Ohio River as a source of potable water; no ground water ingestion pathway exists. In addition, no surface water ingestion pathway exists. All public surface water systems are located upgradient of the site. As shown on the Natural Heritage map in Appendix A, no surface water intakes are located within the HRS target distance limit of 15 downgradient stream miles. Note: the trace of the Ohio River, shown in blue, is westerly away from the site. At the same time, because the partial pressure of lead is 0 mm Hg at standard temperature, no vapor intrusion pathway exists.

Because the lead values at sample locations CM-7, CM-8, and CM-10 of 14,500, 1,820, and 2,120 mg/Kg respectively, exceed the GDCS, the potential for two lead migration pathways from the site was evaluated. These pathways are the soil ingestion pathway, and the soil direct contact pathway. The GDCS is based on a single chemical exposure resulting from ingestion of soil, dermal contact with soil and inhalation of volatile and particulate emissions from soil. Although the GDCS was exceeded , preliminary screening simulations with the software Quickscore predict no risk from either pathway due to the lack of a significant target population. Although according to the year 2000 census (Appendix A) approximately 800 people live within a quarter mile of the site, access to exposed soil at the site is prohibited by a fence. The target population at the site consists of no more than three full-time employees (interview with owners, July 13, 2006). All other RCRA metals were below standards.

Conclusions

No risk from any of the eight RCRA metals sampled is associated with the site. No risk is associated with water ingestion or vapor inhalation due to the absence of a migration pathway. No exposure potential from soil ingestion or soil direct contact exposure is present due to the small target population and the inability of the target population to access on-property soil.

Figure 1. Certified Metals Manufacturing Corporation
Former Location
1940 River Road
Year 2000



0 200 400 800 Feet

Scale 1:4800

1 inch = 400 Feet

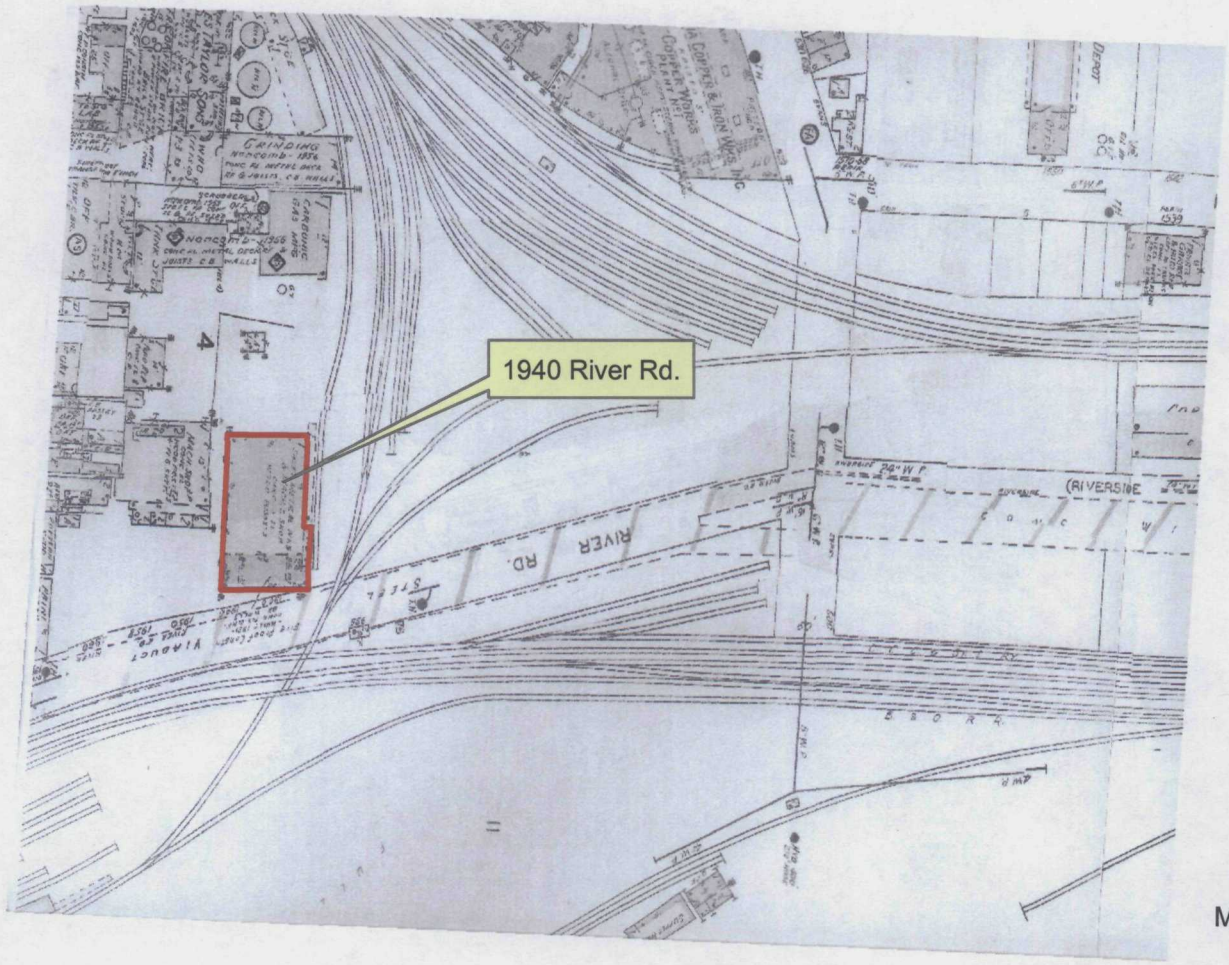
Legend

1940 River Road,Parcel Boundary

OhioEPA

N

Figure 2. Certified Metals Manufacturers Company
Former Location
1940 River Road
Sanborn Map (1937-1962)



0 150 300 Feet

Scale 1:2400

1 inch = 200 Feet

Approximate historical building outline
1940 River Rd., Cincinnati
Ref: Sanborn insurance map (1937-1962)

OhioEPA

N

Figure 3. Sample Locations, Certified Metals Manufacturing Corporation
Former Location
1940 River Road



0 50 100 200 Feet

Scale 1:1,200

1 inch = 100 Feet

Legend

1940 River Road,Parcel Boundary

Soil Sample Locataions, April 23 2003

OhioEPA

N

Appendix A

Census data. Year 2000

RADIUS (Miles)	TOTAL	WHITE	BLACK	INDIAN	ASIAN	HAWAII_PAC	OTHER	HOUSING
3.00 - 4.00	62,974	36,506	23,736	105	1,396	10	1,221	27,524
2.00 - 3.00	59,550	34,820	21,289	133	1,845	23	1,440	25,417
1.00 - 2.00	34,054	17,822	14,824	126	326	32	924	14,505
0.50 - 1.00	6,873	5,401	1,181	29	69	6	187	2,625
0.25 - 0.50	1,398	1,080	229	6	22	2	58	578
0.00 - 0.25	800	695	67	0	3	3	32	281
TOTALS	165,649	96,324	61,326	399	3,661	76	3,862	70,930

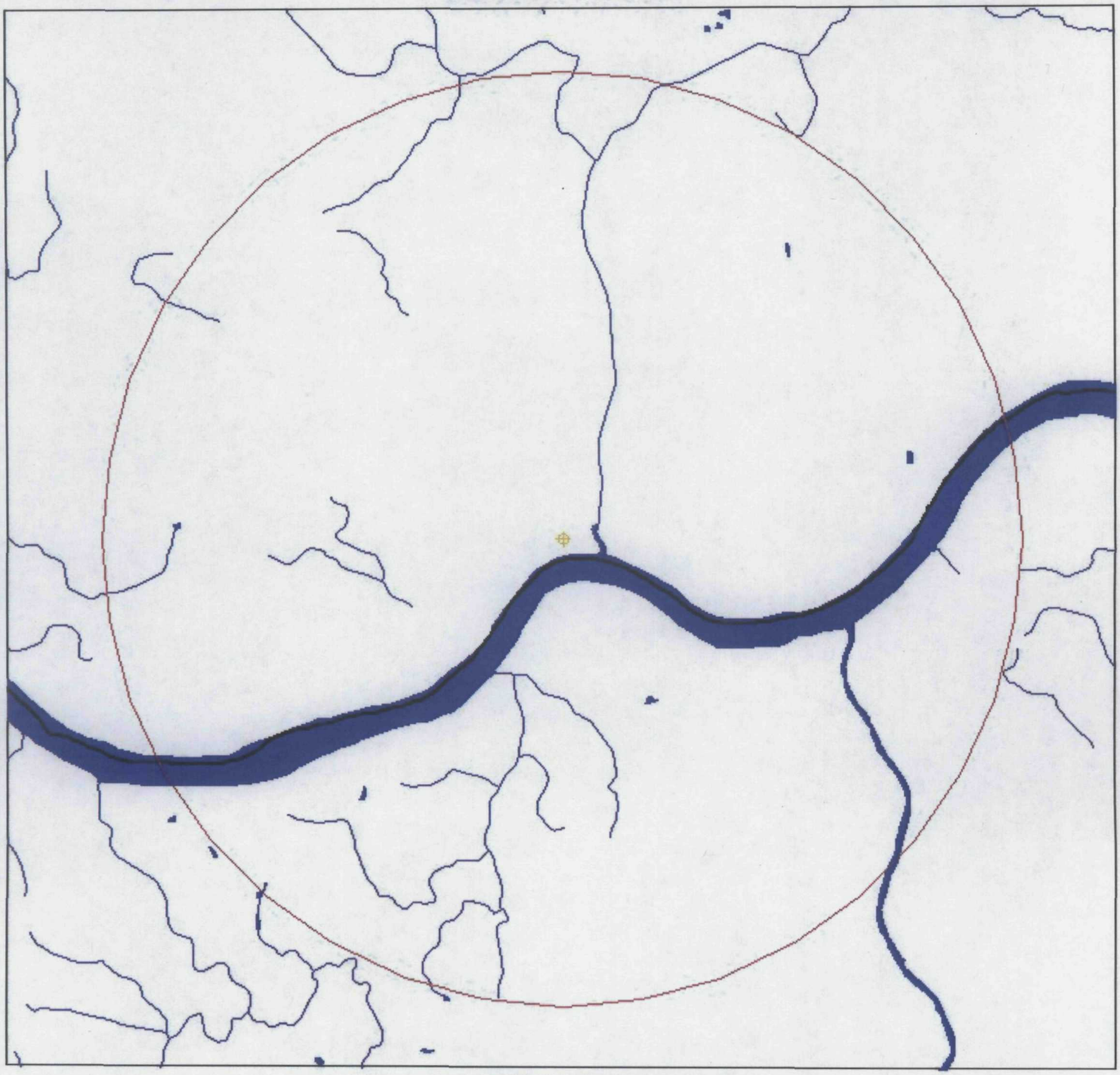
Ohio EPA

Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 4-MILE RADIUS MAP

PUBLIC GROUND WATER SYSTEMS

Certified Metals



Site

Public Ground Water Systems
- Community
- Non-Community/Transient
- Non-Community/Non-Transient

Rivers & Streams
Wellhead Protection Area
Lakes & Ponds
Limit of Radius From Site
County Boundaries

1 0 1 Miles

N

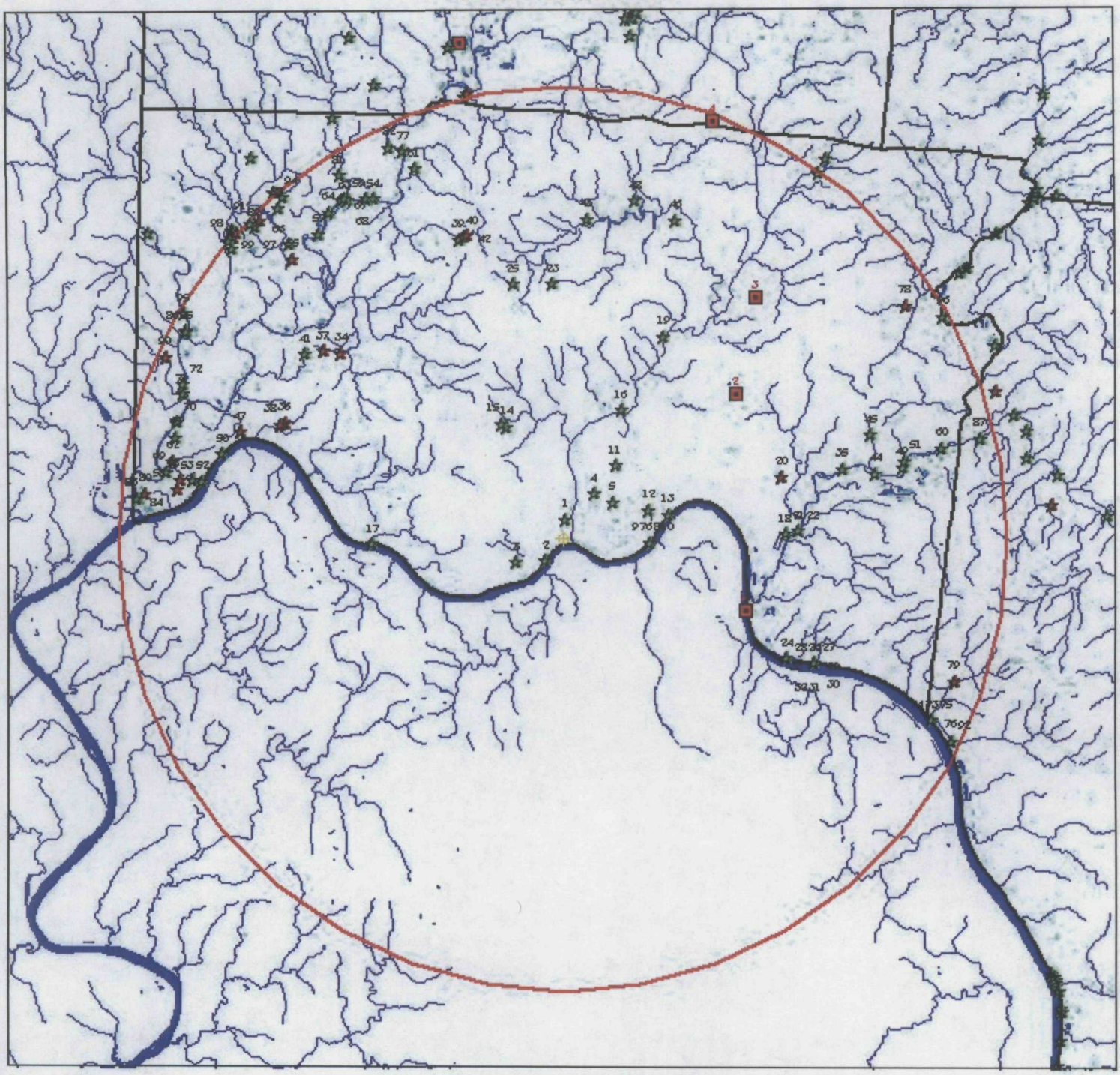
Ohio EPA

Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 15-MILE RADIUS MAP

NATURAL HERITAGE DATA

Certified Metals



Site

US Endangered/Threatened Species

Ohio Endangered/Threatened Species

Public Surface Water Systems

Community

Non-Community/Transient

Non-Community/Non-Transient

Rivers & Streams

Wetland Area

Lakes & Ponds

Limit of Radius From Site

County Boundaries

4 0 4 8 Miles

N

Ohio EPA

Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 4-MILE RADIUS MAP

Hamilton County

Certified Metals



Site
School
Hospital
Public Surface Water Systems
Public Ground Water Systems
US Endangered/Threatened Species
Ohio Endangered/Threatened Species

Wetland Area
Lakes & Ponds
Wellhead Protection Area
Limit of Radius From Site
County Boundaries

Rivers & Streams
Railroad
State and Federal Highways
Local Roads
Municipal Roads

N

2 0 2 Miles



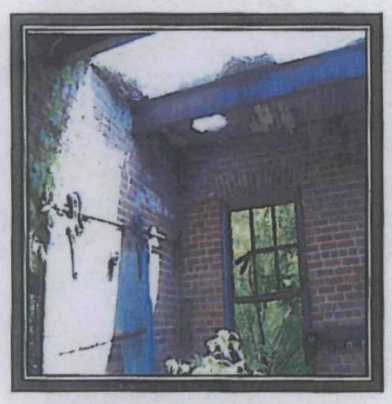
CM-6 Sample collected at the SW Wall of the main bldg.



CM-3 Samples collected at the NW fence line and Wall. The Dirt Pile was to the left.



A secondary Smelter Bldg was behind this overgrown vegetation.



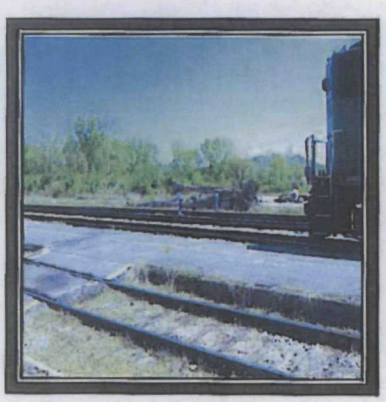
CM-4 Sample collected inside this Bldg and the front dirt pile



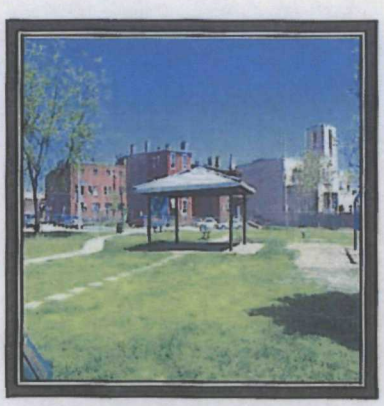
This right side view of the Secondary Bldg behind the over grown vegetation.



CM-10 Sample from left to right; was collected at Garage # 3



CM-11 Sample collected between track and State Route 50.



CM-12 Sample collected by grids in Hatmaker Park.



This is a continuous grid of Peggy Lane and Hatmaker Park.

PRE-CERCLIS SCREENING (PCS) ASSESSMENT CHECKLIST/DECISION FORM

The checklist can be used to assist the site investigator during Pre-CERCLIS screening. This checklist should document the rationale for the decision as to whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Kelvin Jones, ESII — September 23, 2003

Name/Title — Date

4675 Homer-Ohio Lane Groveport, OH — 614-836-8758

Address — Phone

Kelvin.Jonesk@epa.state.oh.us

E-mail Address

Site Name: Certified Metals Manufacturers Company

Previous names (if any): Certified Metals Supply

Site Location: 1940 River Road, Cincinnati, Ohio / Hamilton County
(See attached description and maps).

Latitude: (if applicable) 39° 06-08.1 **Longitude:** 84° 33-00.5

PHASE A - CERCLA Eligibility Evaluation

If the answer to any one of these is yes, the sites can be NFRAPed or Archived	**YES**	**NO**
1.Is the site non-existent, or is it not a duplicate (or "alias") of another site?	X	
2. Is the site being addressed by some other remedial program (Federal, State, or Tribal)?		X
3. Are the hazardous substances potentially released at the site excluded statutorily (e.g., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC< UMTRCA, or OSHA)?		X
4. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferred to RCRA Corrective Action, FIFRA, or Brownfields)?		X
5. Is there insufficient data (provided by the State) to verify that a release has occurred (e.g., based on potentially unreliable sources or with no information to support the presence of hazardous substances or CERCLA eligible pollutants and contaminants)?		X
6. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARS, completed removal action, previous HRS score determined, or an EPA approved risk assessment completed)?		X

PHASE B - INITIAL SITE EVALUATION

Use Exhibit A to make site assessment decisions based on the answers below:	YES	NO
Is there documentation indicating that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?		X
Is there an apparent release at the site with no documentation of exposed targets, but there are targets on-site or immediately adjacent to the site?		X
Is there an apparent release and no documented on-site targets, but there are nearby targets (e.g., targets within 1 mile)?		X
Is there indication of a hazardous substance release, and there are uncontained sources containing CERCLA hazardous substances, but there is a potential to release with targets present on-site or in proximity to the site?		X
Documented onsite or nearby targets? 9l2, p.4 says an elementary school is within 250'	X	X
Uncontained sources containing CERCLA eligible substances are present on site.		X
There are releases or potential to release.	X	X

Please explain all yes answer(s). See Attached Narrative

EPA Regional Review and Site Assessment Decision

Check the box(es) that apply:

- ☐ NFRAP/Archive DO NOT ENTER INTO CERCLIS, NOT A VALID SITE OR INCIDENT.
- ☐ APA
- ☐ Full PA
- ☐ Combined PA/SI
- ☐ SI

Defer/Refer to:

- ☐ Removal Program
- ☐ State/Tribal Program
- ☐ RCRA
- ☐ Brownfields
- ☐ Other: _____

Regional EPA Reviewer: Erica Islas Erica Islas 8/25/06

Print Name/Signature — Date note made in CERCLIS that this was original PCS Ecl

Introduction

In the spring of 2001, the *American Public Health Journal* published a report on former lead smelting facilities that are potentially contaminated with high levels of lead. The study, which was conducted by a doctoral candidate and a USEPA employee, cited 430 former lead smelting facilities in 35 states that are unknown to federal and state authorities. Of the sites listed, 17 are located in Ohio. This PCS focuses on one of these sites, Certified Metals Manufacturers Company.

High levels of Lead Contamination are a major problem for the City of Cincinnati and its surrounding cities. Lead Contamination reaches as far as North to Hamilton, Ohio and south to the Cincinnati /Kentucky borders and the Ohio River. There are more than 27 zip codes in the Cincinnati area. The City of Cincinnati uses the zip codes to mark high Lead areas. Currently, the City of Cincinnati is conducting a Lead Soil Abatement Project. This study includes cities like Boston, Baltimore, Cleveland, and Cincinnati Lead soil contamination. In certain areas in the City of Cincinnati, results showed high Lead contamination which has made the Ohio Department of Health (ODH) and the Cincinnati Health Department test the children for high lead levels. The University of Cincinnati is currently doing studies on Lead in particular neighborhoods in Cincinnati.

Site Description

The former Certified Metals Manufacturers Company was located at 1940 River Road in Cincinnati Ohio. The 0.127 acres lot when in operation was owned by the Bloomberg Brothers. It is surrounded by a cascade of businesses buildings that are also medium and light manufacturing. At the west end of the property, is a second skeletal building structure that is covered by over grown vegetation. Figure 1, the Site location Map.

Site History

The Certified Metals Manufacturers site first appeared in 1956 as Certified Materials Supply. In 1958, Certified had another name change, they became Certified Metals Manufacturers Corporation. CMMC they produced various metal products, but particularly Lead Ingots and Babbitts piping for the plumbing industry. They operated their smelting operation through 1988. The Bloomberg Brothers sold the property to JCV Properties LLC in 1993. The property was then sold to Meyer Vogelpohl Inc. that presently operates a storage warehouse for Church Goods and Religious Arts. The River Rd. property first appeared on the Sanborn Fire Insurance Maps in 1940 as Miami Trans. Corporations. This site location map can be seen on Figure 1.

On January 3, 2003, the Ohio EPA field staff conducted site reconnaissances at the 1940 River Road property. April 23, 2003, Ohio EPA field staff conducted, a second reconnaissance, whereby an interview with the property owner was conducted and twelve (12) X-Ray Fluorescence XRF soil screening samples were taken.

Pathways & Targets

Soil Pathway

The method for collecting the soil samples, were collected by using dedicated stainless steel materials (spoons, pans, and plastic bags) for each sample location. Samples were collected from the zero through to six inches of soil into a 11-inch stainless steel mixing bowl. When grass was present, the Sampler pulled back the immediate top layer of sod and shook the loose soil from that section. The Sampler collected the top three-inch soil into the mixing bowl. The soil was homogenized in our mixing bowl and then packed away into a labeled "Zip-Lock" plastic bag.

Twelve (12) soil screening samples were taken on and around the 1940 River Road property. Within 250 feet of the potential contaminated source, included a Community Center, Church, Residential Park and Homes, and Elementary School. The screening instruments used to verify the presence of Lead contamination was the Ohio EPA's X-Ray Fluorescence (XRF) screener. The Chief XRF operator took an aliquot of soil from each sample to verify if any Lead were present. If so, these samples were to be sent to Kemron Laboratory for confirmation. At Kemron, the soil samples will under analysis for 8 RCRA's metals. The (RCRA) acronym means, Resource Recovery Reclamation Act. The "eight (8) RCRA metals" are, arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver.

?

Not!

Twelve (12) soil samples were taken Inside and Outside the 1940 River Road property on April 23, 2003. They are abbreviated as CM-1 thru CM-12. The initial's abbreviation stands for Certified Metals (CM). CM-1; Foundry Sand, it was taken inside the main building at the southeast corner of Pillar One of the main warehouse. CM-2; Foundry Sand, sample was taken inside the old furnace room of the main warehouse. CM-3; Sandy Clay was collected at the northwest corner of the fence line, bordered by another brick building which also was a Medium Manufacturer. CM-4; Sandy Clay was collected in the northwest corner of the Dirt Pile (a mound). CM-5; Sandy Clay was collected on the Back of the Building south side. CM-6; a grab/composite of Sandy Clay, was taken along the Southwest wall outside the main building. CM-7; Sandy Clay, was collected at the northeast corner of the main gate. CM-8; Sand was taken at the eastside of the main Buildings loading dock area. CM-9; Sandy Clay was taken underneath the billboard sign and the main building smoke stack. CM-10; Foundry Sand was taken at door # Three of the overhead doors on the southeast side of River

?

Let's make a Deal?

Road. CM-11; Sand was in between the B&O RR tracks and State Route 50. CM-12; Sandy Clay was taken from Peggy Land & Hatmaker Park. See Tables (1&2) for XRF Screening results.

Sediment Pathway

The pathway for Sediment was not addressed as an issue of concern. Therefore, no Sediment Samples were collected.

Surface Water Pathway

The pathway for Surface Water was not addressed as an issue of concern. Therefore, no Surface Water Samples were collected.

Ground Water Pathway

The pathway for Ground Water was not addressed as an issue of concern. Therefore, no Ground Water Samples were collected

Air Pathway

The pathway for Air, dust particles are being addressed through the Soil Samples Collection. Therefore, no Air Samples were collected.

you could tell this this site's just by sampling

Conclusions

Lead contamination exists throughout the City of Cincinnati. The former Certified Metals Manufacturers Corporation, located at 1940 River Road was identified as a Lead Smelter operator. Based on the William Eckel's doctorate dissertation and research, the City of Cincinnati Lead Abatement Study, and the investigation conducted by Ohio EPA's Site Investigations Field Staff. The information gathered by the Ohio EPA Field staff, found the site smelting facility no longer exist. From 1958 through 1988, the 1940 River Road property operated as a Lead smelting operation. The property is now owned by the Church Goods and Religious Arts of Cincinnati. The XRF screening and

12,17 disjoint

Kemron confirmation did have some samples that showed Lead contamination. In light of these aforementioned facts, further site investigation is necessary.

LIST OF FIGURES, TABLES and ATTACHMENTS

Figure One Site location Map

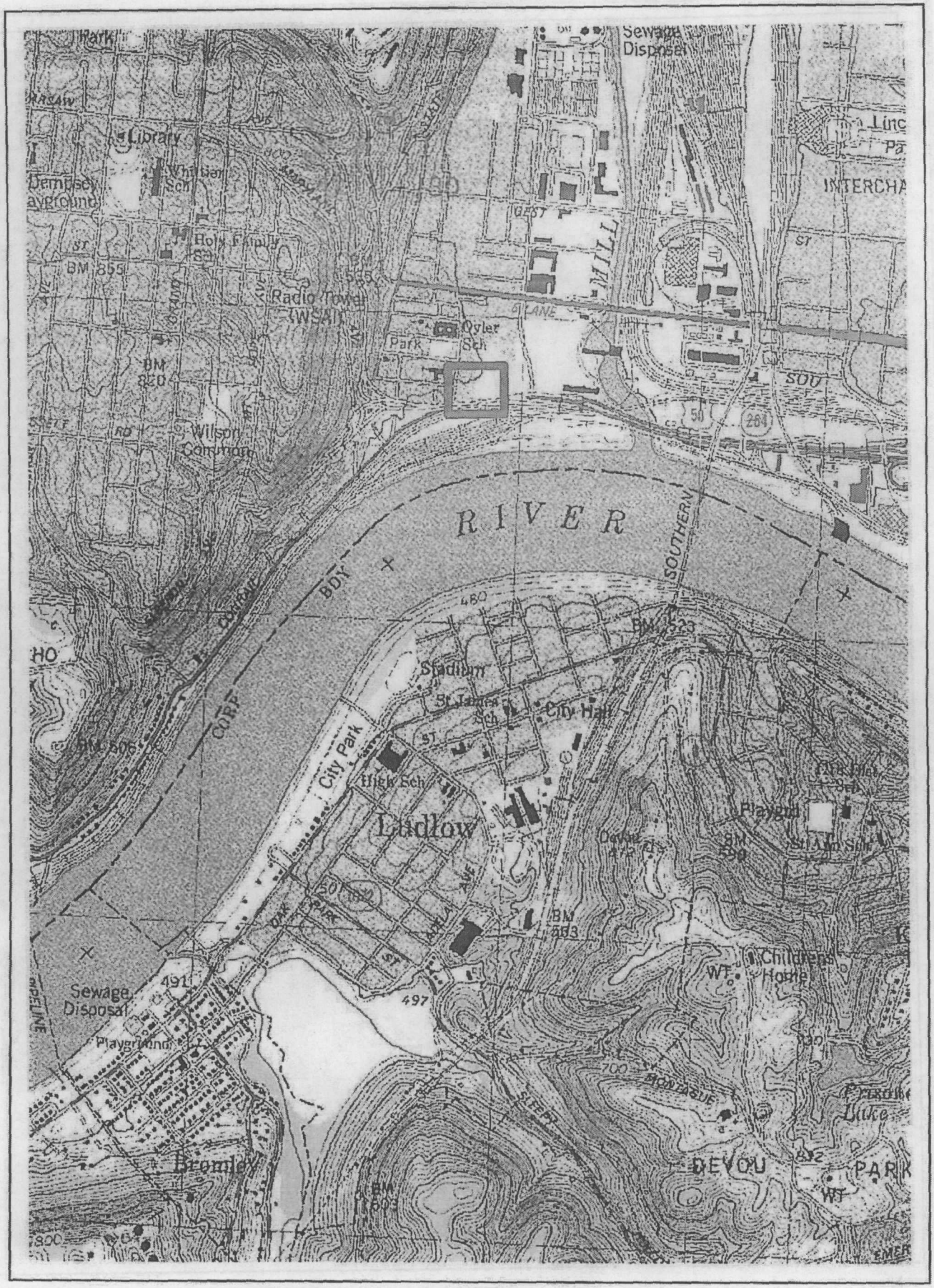
Figure Two Sample location Map

Table One Field Screening Sampling Results – Soil – XRF Metals

Table Two Kemron Laboratory Results – Soil – Confirmation

Attachment One Photo Log

References



N
W E
S

Certified Metals Manufacturers Corporation
Site Location Map
Figure 1

0 800 1,600 3,200 Feet



Certified Metals Manufacturers Corporation
Sample Location Map
Figure 2

0 115 230 460 Feet

where's the facility?

Table One

Certified Metals Manufacturers Corporation
XRF Field Soil Screening Data for Metals

what are these numbers?

XRF ANALYTE	[redacted]	arsenic As	barium Ba	cadmium Cd	chromium Cr	mercury Hg	lead Pb	selenium Se	silver Ag
Sampling Date	April 23, 2003	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg
Site Name / location	CM-1 Inside Bldg	----------	----------	----------	----------	----------	999/32	----------	----------
Site Name / location	CM-2 Inside Bldg	----------	----------	----------	----------	----------	3984/64.1	----------	----------
Site Name / location	CM-3 NW fence line	----------	----------	----------	----------	----------	152	----------	----------
Site Name / location	CM-4 NW dirt pile or mound	125/29	----------	----------	----------	----------	735/35	----------	----------
Site Name / location	CM-5 South's side of main Bldg	100/38	----------	----------	----------	----------	1963/49	----------	----------
Site Name / location	CM-6 SW wall of main Bldg	195/41	----------	----------	----------	----------	1358/51	----------	----------
* Site Name / location	CM-7 NE corner of main gate	270/137	----------	----------	----------	----------	26470/219	----------	----------
* Site Name / location	CM-8 Eastside loading dock	250/73	----------	----------	----------	----------	7120/101	----------	----------
Site Name / location	CM-9 Smoke Stack	----------	----------	----------	----------	----------	748/31	----------	----------
* Site Name / location	CM-10 Garage door # 3	----------	----------	----------	----------	----------	2664/57	----------	----------
Site Name / location	CM-11 B&ORR and SR - 50	----------	----------	----------	----------	----------	8780/108	----------	----------

Site Name / location	CM-12 Peggy Lane & Hatmaker Park	----------	----------	----------	----------	----------	25	----------	----------

Table Two

Certified Metals Manufacturers Corporation
Lead Confirmation
Kemron Analytical Data for Soil Metals

XRF ANALYTE	[redacted]	arsenic As	barium Ba	cadmium Cd	chromium Cr	mercury Hg	lead Pb	selenium Se	silver Ag
Sampling Date	April 23, 2003	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg	PPM or mg/kg
Site Name / location	CM-7 NE corner of main gate	12.2	233	18.6	42.7	----------	14500	----------	3.08
Site Name / location	CM-8 Eastside loading dock	9.4	166	15.9	85.8	----------	1820	----------	1.76
Site Name / location	CM-10 Garage door # 3	6.42	411	4.12	140	----------	2120	----------	1.48

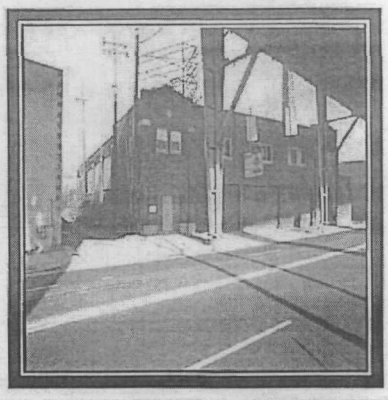
Are other sample locations non detect?

Attachment One
Certified Metals Manufacturers Corporation
Photo Log

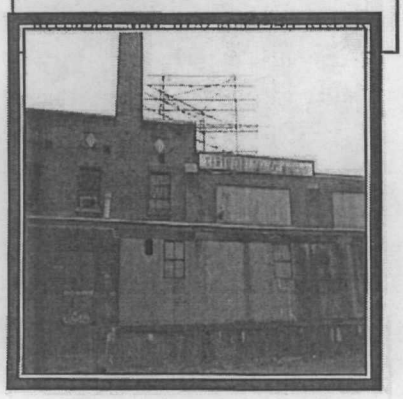


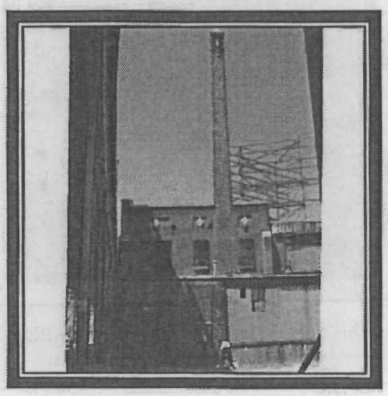


Recon at CMM 01/03/03 1940 River Rd



Recon at CMM 01/03/03 1940 River Rd

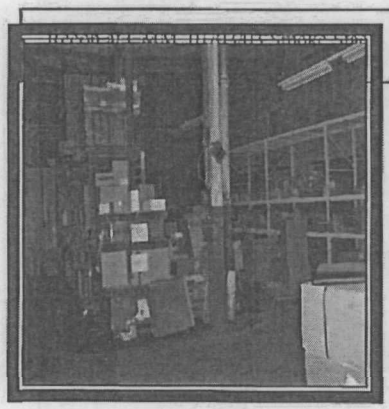




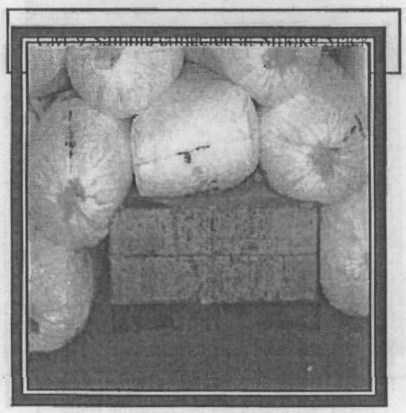




CM-1 Sample Collected in Main Bldg

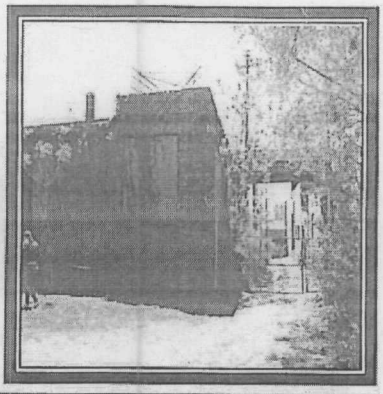


CM-1 at Southeast Corner of Pilar

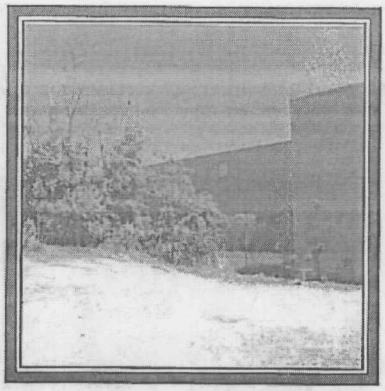


CM-2 Collected in Furnace Room

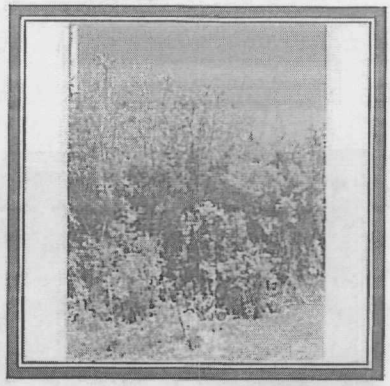
what was collected? Dust off of the floor?



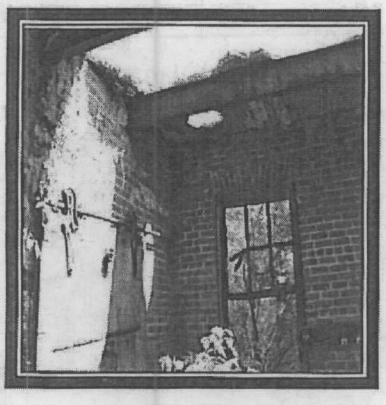
CM-6 Sample collected at the SW Wall of the main bldg.



CM-3 Samples collected at the NW fence line and Wall. The Dirt Pile was to the left.



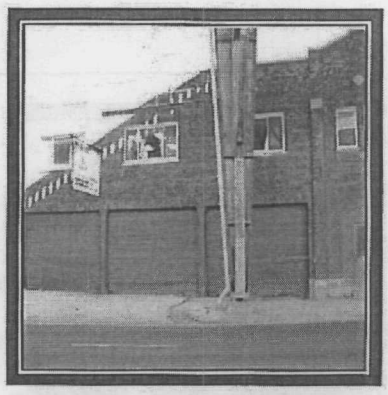
A secondary Smelter Bldg was behind this overgrown vegetation.



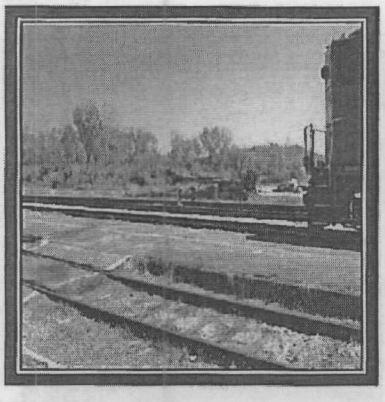
CM-4 Sample collected inside this Bldg and the front dirt pile



This right side view of the Secondary Bldg behind the over grown vegetation.



CM-10 Sample from left to right; was collected at Garage # 3



CM-11 Sample collected between track and State Route 50.



CM-12 Sample collected by grids in Hatmaker Park.



This is a continuous grid of Peggy Lane and Hatmaker Park.

what is 6?

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Eckel, 2001: Historic site information provided William P. Eckel from: Metal Smelters & Refiners section of Standard Metal Directory (SMD) directories for 1931, 1904, 1946, 1950 & 1963; Metal Statistics (MS), an annual publication (1937 - 1969) of The American Metal Market Company, published by Diversified Publishing of New York City, NY; and , the Year Book of the American Bureau of Metal Statistics (and later the Non-Ferrous Metals Data) [ABMS] from the American Bureau of Metal Statistics Inc., 1945-1973, of New York City, NY

Eckel, 2003: Information directory from William "Bill" Eckel; Telephone conversation, mail and/or E-mail between Wendy Vorwerk and/or Edward Link of the Ohio EPA; Mr. Eckel's phone # is (703 305-6451) is currently employed by the USEPA in the Environmental Fate and Effects Division of the Office of Pesticide Programs Located on Washington, D.C.

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ODH, 2002: Ohio Department of Health; Bureau of Environmental Health; Health Assessment Section; Lexington Manor Site – what document is being referenced here?

ODH, 2002: Ohio Department of Health; Ohio Childhood Lead Poisoning Prevention Program; http://www.odh.state.oh.us Lead and Eating Healthy; Lead Can Harm Children; and Children's Lead Levels

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Hamilton County General Health District; The Hamilton County General Health District is working to prevent lead poisonings by providing lead screenings for county residents at the Health District. April 2002 GMT http://www.hamilton-co.org/boh/press%20releases/press_...

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OhioEPA
State of Ohio Environmental Protection Agency

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August 21, 2006

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REMEDIAL RESPONSE or RRS#2
SECTION #2

Erica Islas
U.S. EPA Region 5
77 West Jackson Boulevard (SE-6J)
Chicago, IL 60604-3507

Dear Erica,

Please find enclosed hard copies of the final reports for the following site assessments:

- Certified Metals Manufacturing Company PCS
- G. A. Avril Company PCS

When you have signed the PCS reports and signature pages, please fax them to me at (614) 644-3146 for our records.

Thank you for taking the time to review these documents.

Sincerely,

Jessica Page
Site Assessment & Brownfield Remediation Program
Division of Emergency & Remedial Response

cc: Matt Justice, Ohio EPA, DERR-SWDO

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Number of pages	:	006
Start time	:	Aug-25 04:34pm
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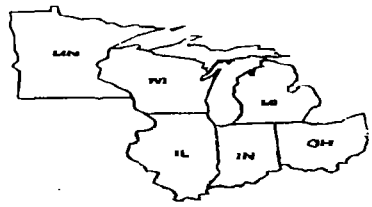
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Region V
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Chicago, Illinois 60604

EPA

Superfund Division

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Telephone Number
312-886-4071



To: Jessica Page, OEPA

Office phone: 614 644 3749 **Machine No:** 614 644 3146

From: Erica Islas

Office phone: 312 353 7209 **Mail code:** SR-6J

Date: 8/25/06 **Number of pages, including cover:** 6

Message: Attached are the signature pages for G.A. Avril Company & Certified Metals Manufacturing Company. I'm also enclosing a signature page for the 2003 PCS for Certified Metals because it was just now entered into CERCLIS.
Thank you for your assistance.

Signature: Erica Islas